

1627



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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,962

DATE: 05/06/2002

TIME: 13:53:52

Input Set : A:\674962sq

Output Set: N:\CRF3\05062002\I674962.raw

#7

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MAY 14 2002
TECH CENTER 1600/2900

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3 <110> APPLICANT: Hauer, Bernhard
4     Schmid, Rolf D.
5     Enzelberger, Markus
6     Minning, Stephan
8 <120> TITLE OF INVENTION: Novel Peptide Fragments for Purifying Proteins
10 <130> FILE REFERENCE: 49041/Up
12 <140> CURRENT APPLICATION NUMBER: 09/674,962
14 <141> CURRENT FILING DATE: 2000-11-08
16 <150> PRIOR APPLICATION NUMBER: PCT/EP99/03469
18 <151> PRIOR FILING DATE: 1999-05-20
20 <160> NUMBER OF SEQ ID NOS: 10
22 <170> SOFTWARE: WordPerfect version 6.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 10
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <222> LOCATION: 1..10
32 <223> OTHER INFORMATION: sequence for purifying proteins
W--> 35 <221> NAME/KEY: unsure
36 <222> LOCATION: 2
37 <223> OTHER INFORMATION: Xaa is an amino acid selected from the group consisting of
38     Ala, Val, Phe, Ser, Met, Trp, Tyr, Asn, Asp and Lys, particularly preferably
39     Phe, Ser, Asn, Asp and Lys, very particularly preferably Asn.
W--> 41 <221> unsure
42 <222> LOCATION: 4
43 <223> OTHER INFORMATION: Xaa is an amino acid selected from the group consisting of
44     Val, Ile, Phe, Pro, Trp, Tyr, Gln, Glu and Arg, particularly preferably Val,
45     Ile, Phe, Pro, Gln, Glu and Arg,
46 <223> OTHER INFORMATION: very particularly preferably Gln, Glu and Arg.
W--> 48 <221> NAME/KEY: unsure
W--> 49 <222> LOCATION: 5
W--> 50 <223> Xaa is an amino acid selected from the group consisting of
51     Gly, Ile, Thr, Met, Trp, Tyr, Asn, Gln, Asp, Glu, Lys, Arg and His,
52     particularly preferably Gly, Ile, Thr, Met, Trp, Tyr, Asn Asp, Glu, Arg and
53     His,
55 <223> OTHER INFORMATION: very particularly preferably Gly, Thr and Tyr.
W--> 57 <221> NAME/KEY: unsure
W--> 58 <222> LOCATION: 6
W--> 59 <223> Xaa is an amino acid selected from the group consisting of
60     Val, Phe, Pro, Cys, Met, Trp, Asn, Glu, Arg and His, particularly preferably
61     Val, Phe, Cys, Met, Trp, Asn, Arg and His, very particularly preferably Asn
62     and Arg.

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```

W--> 64 <221> NAME/KEY: unsure
W--> 65 <222> LOCATION: 8
W--> 66 <223> Xaa is an amino acid selected from the group consisting of
      67      Gly, Ser, Cys, Met, Trp, Asn, Glu, Lys and Arg, particularly preferably Gly,
      68      Ser, Cys, Met, Asn, Glu, Lys and Arg, very particularly preferably Gly and
      69      Lys.
W--> 71 <221> NAME/KEY: unsure
W--> 72 <222> LOCATION: 9
W--> 73 <223> Xaa is an amino acid selected from the group consisting of
      74      Gly, Ser, Cys, Met, Trp, Asn, Glu, Lys and Arg, particularly preferably Gly,
      75      Ser, Cys, Met, Asn, Glu, Lys and Arg, very particularly preferably Gly and
      76      Lys.
W--> 78 <400> 1
W--> 80 His Xaa His Xaa Xaa Xaa Cys Xaa Xaa Cys
      81 1          5          10
      83 <210> SEQ ID NO: 2
      84 <211> LENGTH: 10
      85 <212> TYPE: PRT
      86 <213> ORGANISM: Artificial sequence
      88 <220> FEATURE:
      89 <223> OTHER INFORMATION: Sequence for purifying proteins
      91 <400> SEQUENCE: 2
      93 His Gln His Glu Gly Arg Cys Lys Glu Cys
      94 1          5          10
      96 <210> SEQ ID NO: 3
      97 <211> LENGTH: 10
      98 <212> TYPE: PRT
      99 <213> ORGANISM: Artificial sequence
     101 <220> FEATURE:
     102 <223> OTHER INFORMATION: Sequence for purifying proteins
     104 <400> SEQUENCE: 3
     106 His Asn His Arg Tyr Gly Cys Gly Cys Cys
     107 1          5          10
     109 <210> SEQ ID NO: 4
     110 <211> LENGTH: 10
     111 <212> TYPE: PRT
     112 <213> ORGANISM: Artificial sequence
     114 <220> FEATURE:
     115 <223> OTHER INFORMATION: Sequence for purifying proteins
     117 <400> SEQUENCE: 4
     119 His Arg His Gly Thr Asn Cys Leu Lys Cys
     120 1          5          10
     122 <210> SEQ ID NO: 5
     123 <211> LENGTH: 10
     124 <212> TYPE: PRT
     125 <213> ORGANISM: Artificial sequence
     127 <220> FEATURE:
     128 <223> OTHER INFORMATION: Sequence for purifying proteins
     130 <400> SEQUENCE: 5

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```

132 His Ile His Gln Ser Asn Cys Gln Val Cys
133 1 5 10
136 <210> SEQ ID NO: 6
137 <211> LENGTH: 59
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial sequence
141 <220> FEATURE:
142 <221> NAME/KEY: unsure
143 <222> LOCATION: 1..59
144 <223> OTHER INFORMATION: primer
145 <223> OTHER INFORMATION: n is a, g, c, t or u
W--> 147 <400> 6
W--> 149 gcaataccat ggggcatnnn catnnnnnnnn nntgtnnnnn ntgtgtgagg aagggcgag 59
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 17
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: primer
159 <400> SEQUENCE: 7
161 cagttggaat tctagag 17
164 <210> SEQ ID NO: 8
165 <211> LENGTH: 47
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: primer
172 <400> SEQUENCE: 8
174 gcaataccat ggggcatcat catcatcatc atgtgaggaa gggcgag 47
177 <210> SEQ ID NO: 9
178 <211> LENGTH: 17
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: primer
185 <400> SEQUENCE: 9
187 cagttggaat tctagag 17
189 <210> SEQ ID NO: 10
190 <211> LENGTH: 44
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: primer
197 <400> SEQUENCE: 10
199 gcaataccat ggggcatatt cataatcttg attgtcctga ttgt 44

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/674,962

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,4,5,6,8,9

Seq#:6; N Pos. 18,19,20,24,25,26,27,28,29,30,31,32,36,37,38,39,40,41

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/674,962

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Input Set : A:\674962sq

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L:35 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:41 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:48 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:49 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:50 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:57 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:58 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:59 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:64 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:65 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:66 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:71 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:72 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:73 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:78 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:147 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0